Educonclave

1.   How many whole numbers are there between 32 and 53?

2.   Write successor of

(a)   246751   (b)   1001990   (c)   1089999   (d)   2345670.

3.   Write the predecessor of

(a)   9999   (b)   10000   (c)   208090   (d)   7654320.

4.   Find the sum by suitable rearrangement :

(a)   837 + 208 + 363   (b)   1962 + 453 + 1538 + 647.

5.   Find the product by a suitable rearrangement:

(a) $2 \times 1768 \times 50$ (b) $4 \times 166 \times 25$ (c) $8 \times 291 \times 125$ (d) $625 \times 279 \times 16$

(e) $285 \times 5 \times 60$ (f) $125 \times 40 \times 8 \times 25$.

6.   Find the value of the following:

(a)   297 x 17 + 297 x 3   (b)   54279 x 92 + 8 x 54279

(c)   81265 x 169 – 81265 x 69   (d)   3845 x 5 x 782 + 769 x 25 x 218.

7.   Find the product, using suitable properties:

(a)   738 x 103   (b)   654 x 106   (c)   258 x 1008   (d)   1005 x 168.

8.   A taxi–driver filled his car petrol tank with 40 litres of petrol on Monday. The next day, he filled the tank with 50 litres of petrol. If the petrol costs Rs. 44 per litre, how much did he spend in all on petrol?

9.   Find by distributivity method :

(a)   728 x 101   (b)   5437 x 1001   (c)   824 x 25   (d)   4275 x 125

(e)   504 x 35   (f)   5040 + 35.

10.   Find the place value of the digit 4 in each of the following:

(i)   24581370   (ii)   2043876

11.   Find the product of the place values of two fives in 350256.

12.   Find the difference between the place value and face value of the digit 2 in 3124698.

13.   Write each of the following in expanded notation:

(i)   3057   (ii)   235060.

14.   Write the corresponding number for each of the following:

(i) $4 \times 10000000 + 3 \times 1000000 + 5 \times 10000 + 6 \times 1000 + 1 \times 100 + 1 \times 10 + 9 \times 1$

(ii) $7000000 + 80000 + 70 + 5$

15.   Write in words the following facts in the Indian system of numeration:

(i)   Distance of the Sun from the Earth: 148800000 km approximately

(ii)   Population of India: In 1971 : 546955945; In 1981 : 683810051